FIG. 1

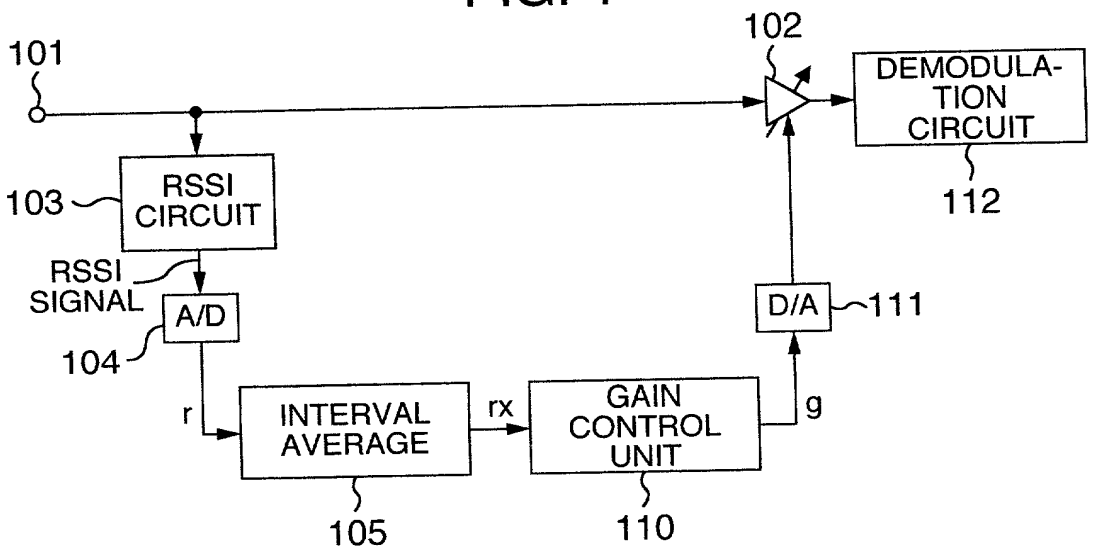


FIG. 2

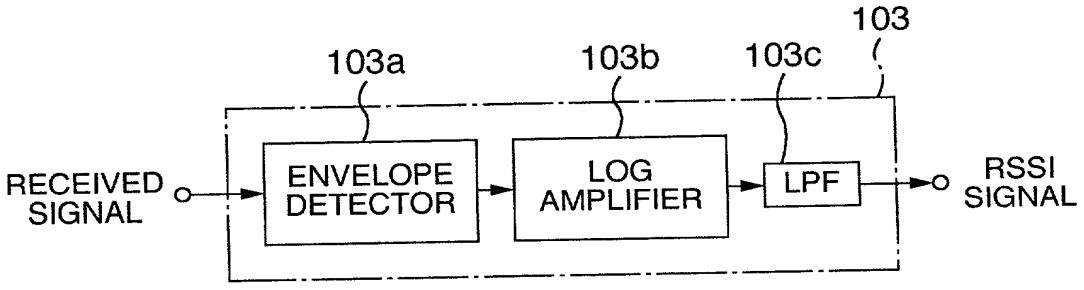


FIG. 3

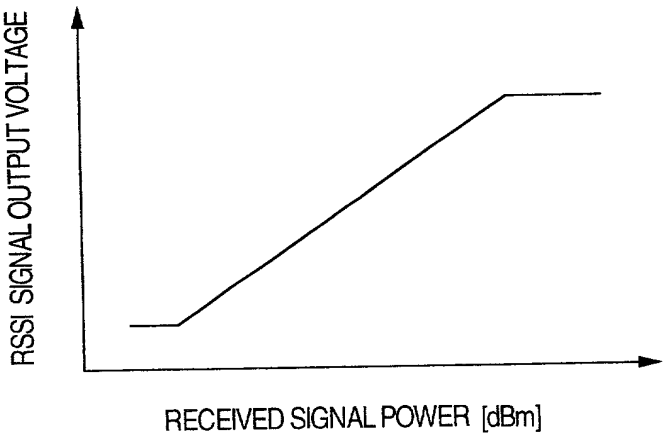


FIG. 4

LP+R	Pb	RI	SW	Pb	PI	G
40	88	56	32	56	104	8

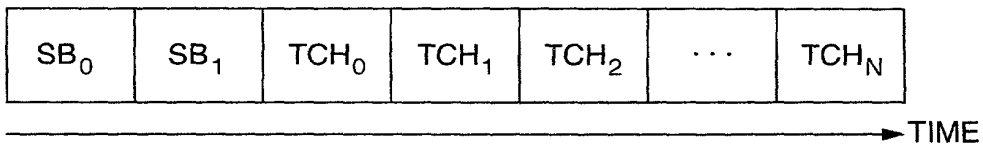
LP+R: LINEARIZER PREAMBLE LINE-UP
Pb: PREAMBLE
RI: COMMUNICATION INFORMATION CHANNEL
SW: SYNC WORD
PI: PARAMETER INFORMATION CHANNEL
G: GUARD TIME

FIG. 5

LP+R	Pb	Tch	RI	SW	UD	Tch
40	2	96	56	32	20	160

LP+R: LINEARIZER PREAMBLE LINE-UP
Pb: PREAMBLE
Tch: COMMUNICATION CHANNEL
RI COMMUNICATION INFORMATION CHANNEL
SW: SYNC WORD
UD: UNDEFINED PORTION

FIG. 6



SB_0, SB_1 : SYNC BURST
TCH_N : TRAFFIC CHANNEL FRAME

FIG. 7A
RECEIVED SIGNAL

FIG. 7B
RSSI SIGNAL r

FIG. 7C
INTERVAL AVERAGE rx OF r

FIG. 7D
CONTROL SIGNAL g

FIG. 7E
INPUT SIGNAL OF DEMODULATION CIRCUIT 112

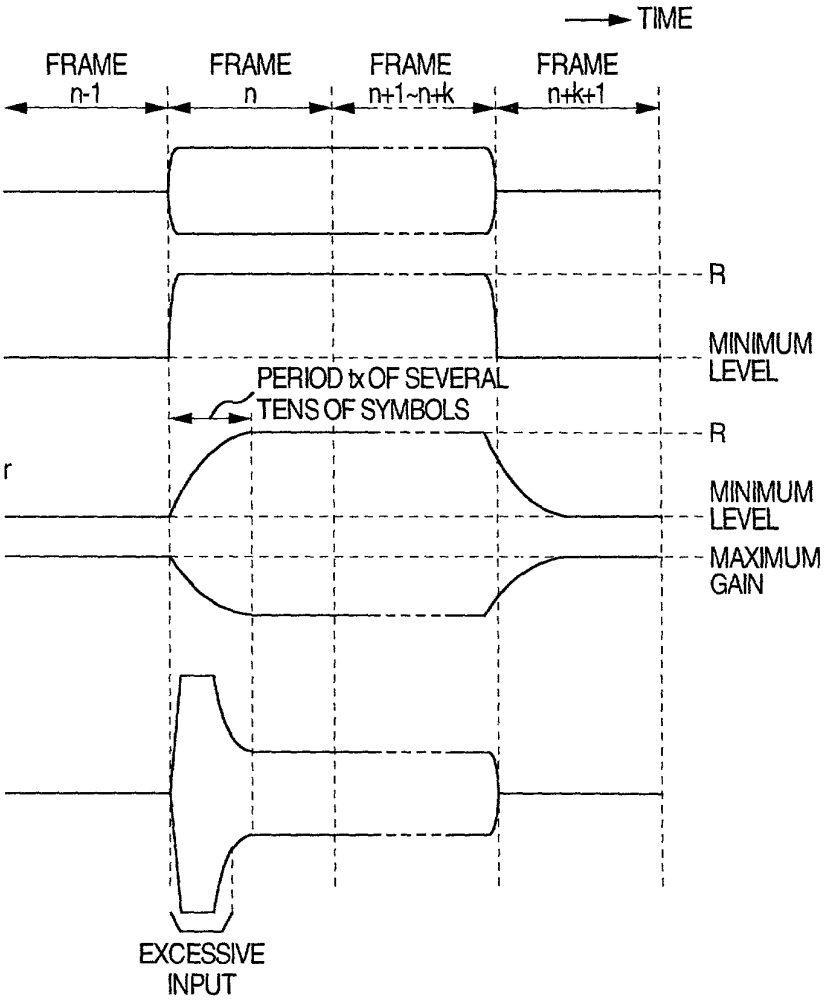


FIG. 8A
FRAME n

FIG. 8B
FRAMES n+1 TO n+k

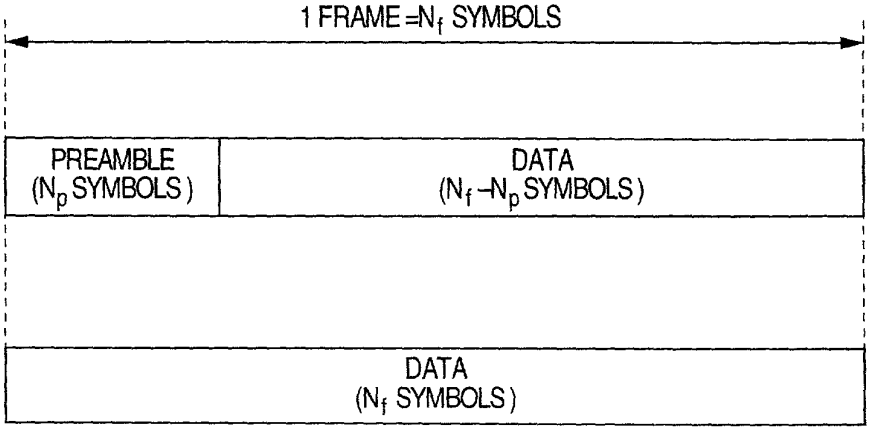


FIG. 9

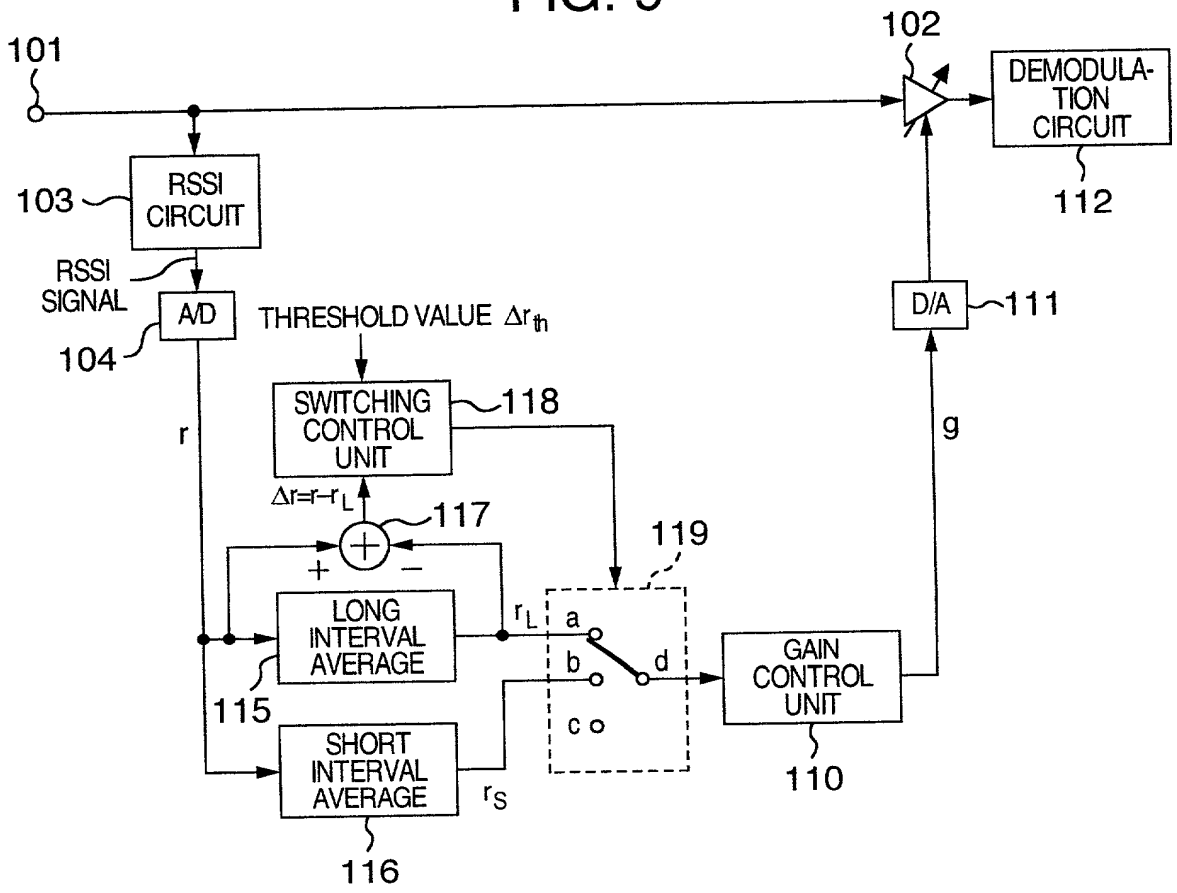
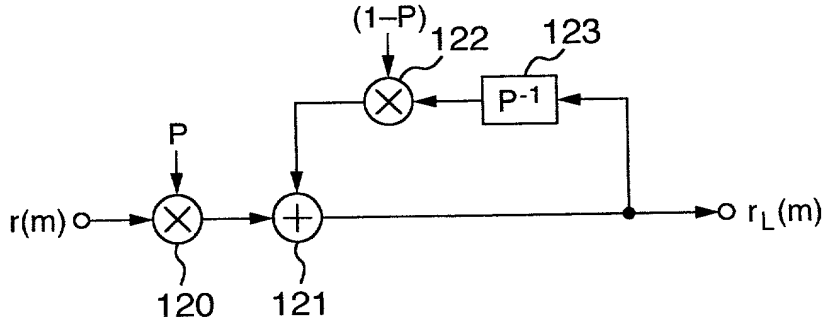

101
102
DEMODULA-
TION
CIRCUIT
112
103
RSSI
CIRCUIT
RSSI
SIGNAL
A/D
104
THRESHOLD VALUE Δr_{th}
D/A
111
SWITCHING
CONTROL
UNIT
118
r
g
$\Delta r = r - r_L$
117
119
+
−
LONG
INTERVAL
AVERAGE
r_L
a
b
c
d
GAIN
CONTROL
UNIT
115
SHORT
INTERVAL
AVERAGE
r_S
110
116

FIG. 10


(1−P)
122
123
P-1
P
r(m)
$r_L(m)$
120
121

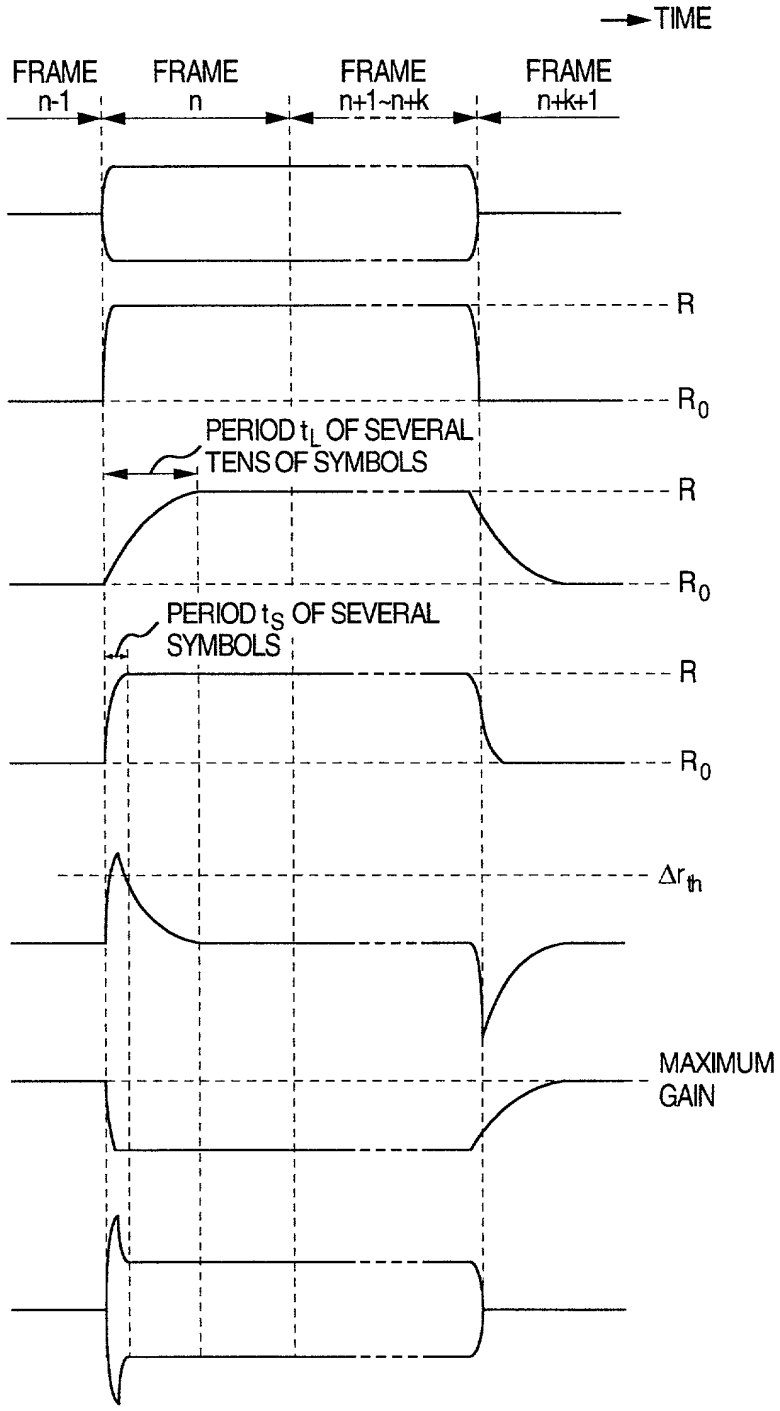


FIG. 11A
RECEIVED SIGNAL

FIG. 11B
RSSI SIGNAL r

FIG. 11C
LONG INTERVAL AVERAGE r_L OF r

FIG. 11D
SHORT INTERVAL AVERAGE r_S OF r

FIG. 11E
$\Delta r = r - r_L$

FIG. 11F
CONTROL SIGNAL g

FIG. 11G
INPUT SIGNAL OF DEMODULATION CIRCUIT 112

FIG. 12A
RECEIVED SIGNAL

FIG. 12B
RSSI SIGNAL r

FIG. 12C
LONG INTERVAL AVERAGE r_L OF r

FIG. 12D
SHORT INTERVAL AVERAGE r_S OF r

FIG. 12E
$\Delta r = r - r_L$

FIG. 12H
CONTROLLED STATE

FIG. 12F
CONTROL SIGNAL g

FIG. 12G
INPUT SIGNAL OF DEMODULATION CIRCUIT 112

FIG. 12I
INPUT SIGNAL TO GAIN CONTROL UNIT

FIG. 12J
OPERATION CLOCK

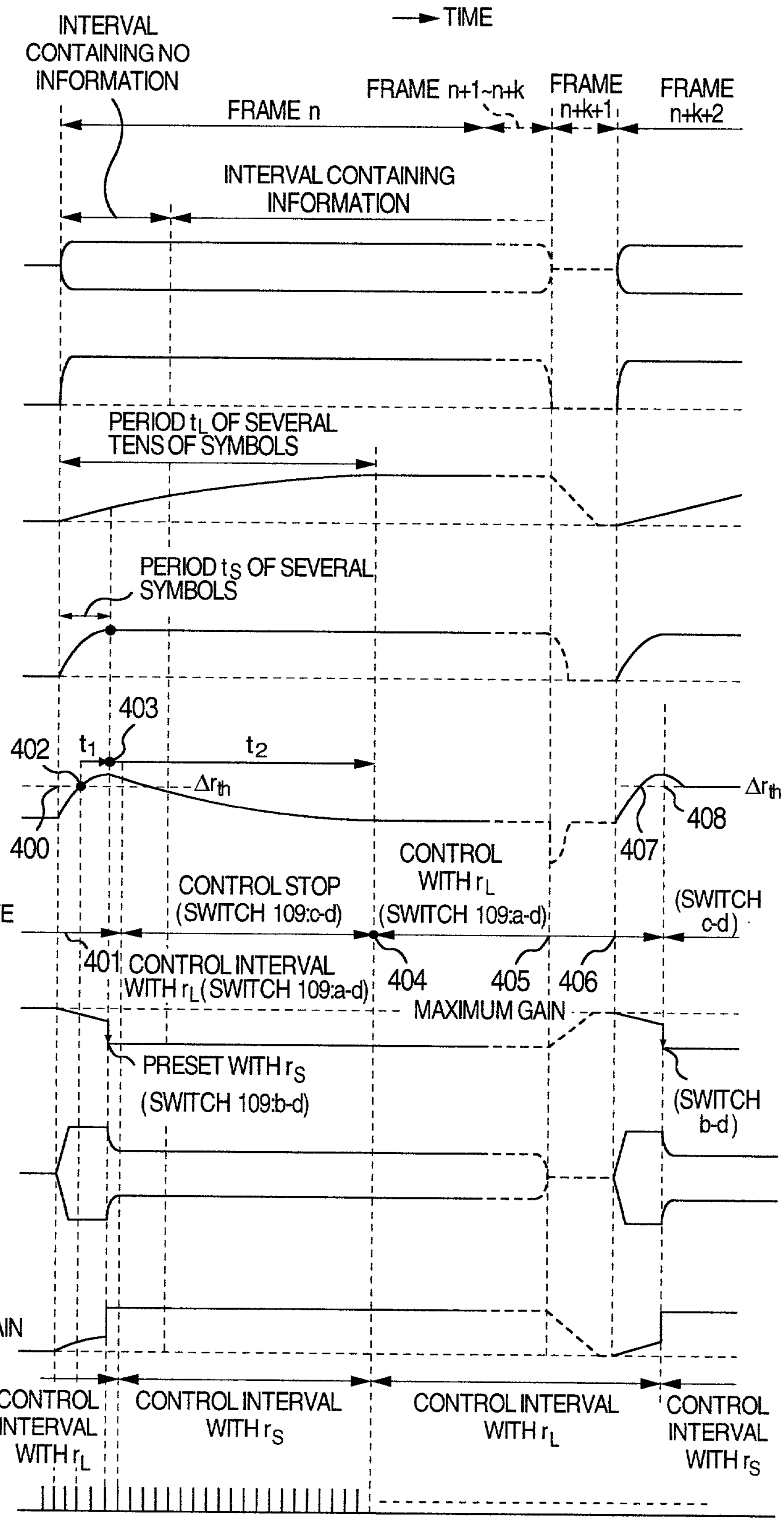


FIG. 13

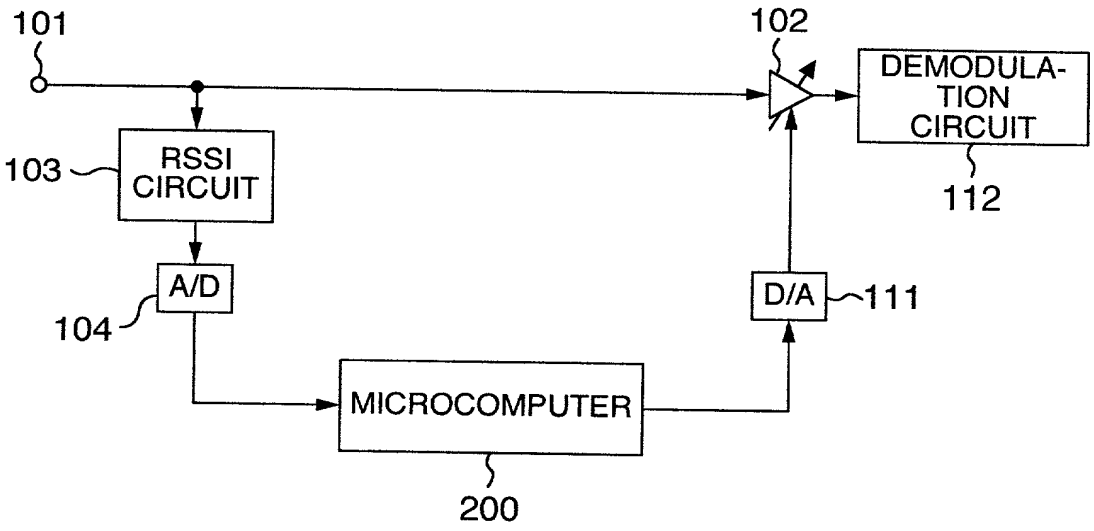

101
102
DEMODULA-
TION
CIRCUIT
112
103
RSSI
CIRCUIT
A/D
104
D/A
111
MICROCOMPUTER
200

FIG. 14